	<b>CHOOSING CARDS</b> A card is randomly drawn from a standard deck of 52 cards. Find the probability of drawing the given card.								
	11. The king of diamonds		<b>12.</b> A king						
	13. A spade		14. A black card						
	<b>15.</b> A card other than a 2		<b>16.</b> A face card (a king, queen, or jack)						
<b>EXAMPLE 2</b> on p. 699 for Exs. 17–19	<b>LOTTERIES</b> In Exercises 17 and 18, find the probability of winning the lottery according to the given rules. Assume numbers are selected at random.								
	not important.								
	18. You must correctly select 4 numbers, each an integer from 0 to 9. The order of the numbers is important.								
	19. TAKS REASONING What is the probability (rounded to three decimal places) that 2 randomly selected months both have 31 days?								
	<b>(A)</b> 0.159 <b>(B)</b>	0.227	<b>©</b> 0.3	318	D	0.340			
EXAMPLE 3 on p. 700	<b>ODDS</b> You randomly choose a marble from a bag. The bag contains 10 black, 8 red, 4 white, and 6 blue marbles. Find the indicated odds.								
for Exs. 20–25	<b>20.</b> In favor of choosing white		<b>21.</b> In favor of choosing blue						
	22. Against choosing red		<b>23.</b> Against choosing black						
	<b>ERROR ANALYSIS</b> Describe and correct the error in calculating the odds against getting a 5 or 6 when rolling a six-sided die. 24. Odds against 5 or 6 = $\frac{4}{6} = \frac{2}{3}$ 25. Odds against 5 or 6 = $\frac{2}{4} = \frac{1}{2}$ 25.								
	<b>26. TAKS REASONING</b> Flip a coin 10 times. What is the experimental probability of getting heads?								
	<b>27. TAKS REASONING</b> The probability of event <i>A</i> is 0.3. What are the odds in favor of event <i>A</i> ? <i>Explain</i> .								
<b>EXAMPLE 4</b> on p. 700 for Exs. 28–32	<b>ROLLING A DIE</b> The results of rolling a six-sided die 150 times are shown. Use the table to find the experimental probability of the given event. <i>Compare</i> your answer to the theoretical probability of the event.								
	<b>28.</b> Rolling a 5	<b>D</b>	1			••			
	29. Rolling an even number	KOII			•	••			
	<b>30.</b> Rolling a number less than	Number	of	27 22	18	26	27	30	
	<b>31.</b> Rolling any number but a 3	3 Occurren	ices		2				
	<ul> <li><b>32.</b> TAKS REASONING You flip a coin 80 times. You get heads 37 times and tails 43 times. What is the experimental probability of getting heads?</li> </ul>								
	<b>(A)</b> 0.4625 <b>(B)</b>	0.5	<b>C</b> 0.5	5375		0.8605			
	<b>33. REASONING</b> Find the probability that the vertex of the graph of $y = x^2 - 6x + c$ is above the <i>x</i> -axis if <i>c</i> is a randomly chosen integer from 1 to 20.								
702	= WORKED-OUT SOLUTIONS on p. WS1	🦊 = T/ A	+ = TAKS PRACTICE AND REASONING			= ML RE	= MULTIPLE REPRESENTATIONS		